

Domestic Microalgae Laboratories

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Abstract:

In the near future, homes will contain small laboratories. *BiomassLab* is an idea that emerged as a final post graduated project in the Basque BioDesign Center (Barrio Lasier, 15, 48840, Güeñes, Spain) by the student Paula Franco. She has started her entrepreneurial career with the BiomassLab project with the intention of bringing the properties of microalgae to the domestic space. This project is currently in the development phase of its team of professionals, and is looking for scientists, biologists, designers and artists interested in joining the project and contributing their knowledge and skills to its growth and development. With this team, BiomassLab hopes to advance its goal of becoming a company creating self-sufficient home laboratories and sustainable biomass production. BiomassLab offers home microalgae lab kits for consumers to grow and harvest their own fresh and healthy microalgae in the comfort of their own home. This kit include everything needed for cultivation, including the lab, equipment and supplies necessary to grow microalgae. The project proposes a paradigm shift that starts at the personal level. Turning your home into a self-sufficient laboratory is the first step towards a more sustainable future. Imagine the possibility of building with sustainable materials, consuming fresh food or even improving your health and personal care with products made from microalgae in your own home. By integrating biomass production into everyday life, we can contribute to a healthier future for ourselves and the planet. The change starts inside our homes, Grow It Yourself.